Performance Data Sheet

AWG5532EXN

General Information

Model	AWG5532EXN	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	8450	7290					
	Watts	1490	1510					
	Amps	8.81	8.85					
	Lb/h	109	98.2					
-10	Btu/h	10400	9220	8110				
	Watts	1600	1630	1660				
	Amps	8.80	8.91	8.99				
	Lb/h	134	123	113				
-5	Btu/h	12600	11300	10100	8960			
	Watts	1700	1750	1790	1820			
	Amps	8.88	9.05	9.19	9.29			
	Lb/h	160	149	139	130			
0	Btu/h	14800	13500	12200	11000	9780		
	Watts	1800	1860	1920	1960	1990		
	Amps	9.02	9.25	9.46	9.63	9.76		
	Lb/h	188	177	167	157	147		
5	Btu/h	17200	15800	14400	13100	11800		
	Watts	1890	1970	2030	2090	2140		
	Amps	9.21	9.51	9.78	10.0	10.2		
	Lb/h	217	206	196	186	175		
10	Btu/h	19800	18300	16800	15400	14000	12500	11100
	Watts	1970	2060	2140	2220	2280	2330	2370
	Amps	9.44	9.81	10.1	10.4	10.7	10.9	11.1
	Lb/h	248	237	227	217	206	194	180
15	Btu/h	22600	20900	19400	17800	16300	14700	13100
	Watts	2050	2150	2250	2340	2420	2480	2540
	Amps	9.71	10.1	10.5	10.9	11.2	11.5	11.8
	Lb/h	281	270	259	249	238	225	211
20	Btu/h	25600	23800	22100	20400	18700	17000	15300
	Watts	2120	2240	2350	2450	2550	2630	2710
	Amps	9.99	10.5	10.9	11.4	11.8	12.1	12.5
	Lb/h	315	305	294	283	272	259	244

25	Btu/h	28700	26800	25000	23200	21400	19500	17600
	Watts	2180	2320	2440	2560	2670	2780	2870
	Amps	10.3	10.8	11.4	11.9	12.3	12.8	13.2
	Lb/h	352	341	331	320	308	295	280
30	Btu/h	32100	30100	28100	26200	24200	22200	20100
	Watts	2240	2390	2530	2670	2790	2910	3020
	Amps	10.6	11.2	11.8	12.4	12.9	13.4	13.8
	Lb/h	391	381	370	359	347	333	317
35	Btu/h	35800	33600	31500	29400	27300	25100	22800
	Watts	2300	2460	2620	2770	2910	3050	3170
	Amps	10.8	11.5	12.2	12.8	13.4	14.0	14.5
	Lb/h	433	422	411	400	388	374	358
40	Btu/h	39600	37300	35100	32800	30500	28200	25700
	Watts	2350	2520	2700	2860	3020	3170	3320
	Amps	11.1	11.8	12.6	13.3	13.9	14.6	15.2
	Lb/h	477	466	455	444	431	417	400
45	Btu/h	43800	41300	38900	36500	34000	31500	28900
	Watts	2390	2580	2770	2950	3130	3300	3460
	Amps	11.3	12.1	12.9	13.7	14.4	15.1	15.8
	Lb/h	524	513	502	491	478	463	446
50	Btu/h	48200	45600	43000	40400	37800	35100	32200
	Watts	2440	2640	2840	3040	3230	3420	3600
	Amps	11.5	12.3	13.2	14.0	14.8	15.6	16.3
	Lb/h	574	563	552	540	527	512	494
55	Btu/h	52900	50100	47400	44600	41800	38900	35800
	Watts	2470	2690	2910	3130	3340	3540	3740
	Amps	11.6	12.5	13.4	14.3	15.2	16.0	16.8
	Lb/h	627	616	604	592	579	563	545

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.301099E+04	1.010399E+03	6.797888E+00	3.672121E+02
C2	5.420475E+02	1.612802E+00	-5.384116E-02	5.076817E+00
C3	-3.445796E+02	1.198000E+01	2.361087E-02	-3.976609E+00
C4	4.326206E+00	-1.539735E-01	1.128440E-03	3.138601E-02
C5	-2.766804E-01	1.570574E-01	9.282001E-04	1.475012E-02
C6	1.882943E+00	-1.637078E-02	1.371059E-04	2.928113E-02
C7	1.783334E-02	4.672545E-04	-1.507800E-05	1.896441E-04
C8	-1.534322E-02	1.645688E-04	-7.636467E-07	-2.289026E-07
C9	-8.174976E-03	6.941020E-04	2.037631E-06	-8.960421E-05
C10	-5.207285E-03	-1.294787E-04	-1.070189E-06	-9.544052E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature